

Department of the Army  
Pamphlet 621-142

Education

# **The US Army Engineer School Apprenticeship Program for the Trade of Lithographic Plate Maker**

Headquarters  
Department of the Army  
Washington, DC  
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**Unclassified**

# ***SUMMARY of CHANGE***

DA PAM 621-142

The US Army Engineer School Apprenticeship Program for the Trade of Lithographic  
Plate Maker

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Education

## The US Army Engineer School Apprenticeship Program for the Trade of Lithographic Plate Maker

By Order of the Secretary of the Army:

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*General, United States Army  
Chief of Staff*

Official:

ROBERT M. JOYCE  
*Major General, United States Army  
The Adjutant General*

reorganized to make it compatible with the Army electronic publishing database. No content has been changed.

**Summary.** Not applicable.

**Applicability.** See paragraph 1-2.

**Proponent and exception authority.** Not applicable.

**Army management control process.** Not applicable.

**Supplementation.** Not applicable.

**Interim changes.** Interim changes are not official unless they are authenticated by The Adjutant General. Users will destroy interim changes on their expiration dates unless sooner superseded or rescinded.

**Suggested Improvements.** The proponent agency of this pamphlet is The Adjutant General Center. Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to the Commandant, US Army Engineer School, ATTN: ATZA-TDI, Fort Belvoir, VA 22060.

**Distribution.** To be distributed in accordance with DA Form 12-9 Requirements for Education.

**History.** This publication has been

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**RESERVED**

## **1. Purpose.**

The purpose of this pamphlet is to announce the US Army Engineer School Apprenticeship Program for the Trade of Lithographic Plate Maker (DOT Code 972.382-014).

## **2. Applicability.**

This pamphlet applies to all elements of the Active Army. This pamphlet does not apply to Army National Guard and Army Reserve.

## **3. General.**

Policies and procedures for participation in the program are contained in AR 621-5. This pamphlet is designed to be used in conjunction with that regulation.

## **4. Apprenticeship Program Number and Occupational Skill Code.**

a. The following apprenticeship program number and occupational skill code are used to identify the US Army Engineer School apprenticeship program for the trade of Lithographic Plate Maker.

(1) Apprenticeship Program Number: 99901

(2) Occupational Skill Code: 16

b. The apprenticeship program number and occupational skill code must be entered in items 5 and 6 of DA Form 4409-R (Apprenticeship Application Form) to identify the program for which the soldier is making application.

## **5. Eligibility for Participation in the Program.**

Soldiers holding as primary or secondary the MOS indicated below and serving in that MOS may participate in the program.

## **6. The Lithographic Plate Maker Apprenticeship Program.**

This is a 7000 hour program which leads to certification as journeyman in the trade of Lithographic Plate Maker. Participation in the program is voluntary, and no membership in labor unions or professional organizations is required. The work process schedule and schedule of related instruction for the trade are attached (app A and B). The purpose of the work process schedule and the schedule of related instruction are as indicated below:

a. The work process schedule reflects categories of work experience required by soldier-apprentices to qualify as journeyman and hours of work experience required in each category.

b. The schedule of related instruction identifies courses which may be taken by soldier-apprentices to satisfy the 504 hours of related instruction required for completion of the program.

## **7. Enrollment in the Program.**

Soldiers may enroll in the program by contacting their installation education services officers (ESO's) who will explain requirements of the program and assist in the preparation of the Apprenticeship Application Form (DA Form 4409-R).

## **8. Apprentice Log Forms.**

Apprentice log forms and instructions on use of forms will be issued to soldiers by installation ESO's at the time of registration in the program. Soldier-apprentices will be required to annotate their work experience on log sheets on a daily basis. Log and instruction sheets will be maintained by soldiers in a three-ring binder. Log entries must be verified by the soldier-apprentice's immediate supervisor on a weekly basis.

## **9. Credit for Previous Experience.**

a. Newly enrolled soldier-apprentices who have partially completed an approved Federal or State registered civilian apprenticeship in the trade of Photographer, Lithographic or a related trade will,

upon presentation of documentation, be awarded credit for all experience related to categories of work contained in the work process schedule at Appendix A.

b. Up to 3500 hours of credit for previous military work experience may be awarded upon presentation of authenticated documentation of satisfactory performance. Such experience must be directly related to the occupation in which the apprenticeship is being performed. Statements from previous supervisors or other such documentation which certify category of work, number of hours by category, and quality of performance will be submitted by soldier-apprentices to their installation ESO's for consideration. ESO's will forward these documents to the Commandant, US Army Engineer School, ATTN: ATZA-TDI, Fort Belvoir, VA 22060 for final determination.

## **10. Related Instruction Credit for Previous Military and Civilian Education.**

Credit for previous military and civilian education may be awarded to satisfy related instruction requirements by presenting certificates of course completion or other such documentation from official military records. For courses which are not listed in Appendix B of this pamphlet, course descriptions and the actual number of class hours for each course should also be included. The installation ESO will submit this information to the program sponsor, which will determine the amount of credit to be awarded. No credit will be awarded for courses which were taken by the soldier-apprentice while a student in high school, vocational school, or college prior to entry into the Army.

## **11. Completion of the Program.**

Upon successful completion of the program, a Certificate of Completion of Apprenticeship will be awarded by the US Department of Labor. While the award of a Certificate of Completion of Apprenticeship will not guarantee a job, it will certify that journeyman status has been attained, and should enable completers of the program to be more competitive with civilians in the trade.

## **12. Partial Completers.**

Soldiers leaving the service prior to completion of the program will receive documented credit for that portion of the program which they did complete. This documentation may be presented for satisfaction of requirements of civilian apprenticeship programs in the trade of Lithographic Plate Maker or a related trade.

**Appendix A**  
**Work Process Schedule for the Trade of**  
**Lithographic Plate Maker**

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	<i>Hours</i>
A. Health and Safety Standards .....	250
B. Camera Basics .....	800
Chemical, camera preparation, linework, exposing, contacting     development (manual and processor)	
C. Stripping Basics .....	750
Simple flats, opaquing, correcting, scribing	
D. Chemicals .....	500
Gums, Desensitizers, developers	
E. Plates .....	500
Principles and functions, uses, presensitized	
F. Exposure-Development of plates .....	2700
G. Proofing processes .....	1000
Color proof, color leys, blue line	
H. Press Basics .....	500
Feeder, cylinder assembly, inking, dampening, delivery	
	<hr/> Total 7000

**Figure A-1. Work Process Schedule for the Trade of Lithographic Plate Maker**

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## Appendix B

### Schedule of Related Instruction for the Trade of Lithographic Plate Maker (DOT Code 972-381-022)

A total of 504 hours of related instruction is required in order to complete this program. Completion of any one or combination of the below listed courses which equals 504 hours of related instruction or more may be taken to satisfy this requirement. Credit for courses not

listed below may be awarded upon presentation of authenticated documentation of satisfactory completion. A synopsis for courses not listed below will be forwarded by ESO's to The US Army Engineer School, ATTN: ATZA-TDI, Fort Belvoir, VA 22060, for final determination.

**Table B-1**  
**Schedule of Related Instruction for the Trade of Lithographic Plate Maker (DOT Code 972-381-022)**

	Course Number	Course Title	School	Residence	Non Residence	Hours Credit
A.	740-306	Basic Photolithographic Processes	Defense Mapping School Ft. Belvoir, VA 22060	X		446
B.	740-303	Basic Offset Printing	Defense Mapping School	X		282
C.	690-620	Reproduction Equipment Repair	Defense Mapping School	X		480
D.	10452-D	Lithographer 3 + 2	NAVEDTRA, Ellyson, Pennsacola, FL 32509		X	84
E.	10454-B	Lithographer 1 + C	NAVEDTRA, Ellyson Pennsacola, FL 32509		X	36
F.	CDC-70350	Reprographic Specialist	USAF Extension Course, Gunter AFS, AL 36118		X	117

**Appendix C**  
**Example of a Partial Completion Letter**

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(Enter Office Symbol)

(Enter Date)

TO WHOM IT MAY CONCERN

This is to certify that \_\_\_\_\_ was enrolled in the Army  
(Name)

Apprenticeship Program for \_\_\_\_\_  
(Name of Occupational Skill Area)

During this period \_\_\_\_\_ to \_\_\_\_\_.  
(Registration Number) (Date) (Date)

During that period (he/she) successfully completed the following hours:

<i>Work Process</i>	<i>Hours</i>
A	_____
B	_____
_____	_____
_____	_____

Army Apprenticeship Programs are registered with the US Department of Labor and the fact that this individual did participate can be verified with the Bureau of Apprenticeship and Training, Patrick Henry Building, Washington, DC 20213, or by contacting Headquarters TRADOC, ATTN: ATPL-AE, Fort Monroe, VA 23651.

Sincerely,

ESO's Signature Block

**Figure C-1. Example of a Partial Completion Letter**

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